



R25UC

RENTAL POWER

MODEL	R25UC
<i>Prime Power @ 60Hz</i>	<i>21kW / 26 kVA</i>
<i>Stand by Power @ 60Hz</i>	<i>23 kW / 29 kVA</i>



Generator Ratings

Voltage	HZ	Phase	Power Factor	Prime Power Amps	Prime Ratings kW/kVA	Stand by Ratings kW/kVA
480/277 - 440/254	60	3	0.8	31	21 / 26	23 / 29
220/127 - 240/139	60	3	0.8	69	21 / 26	23 / 29
208/120	60	3	0.8	73	21 / 26	23 / 29
120/240	60	1	1	62	15 / 15	17 / 17

FEATURES

SOUND ATTENUATED ENCLOSURE

- o Compact and very rugged 12 gauge zinc coated steel construction that is electrostatically painted for a durable finish.
- o The sound level is a quiet 65.4 dB (A) at 23ft at full load.
- o Three large lockable doors allow excellent access for maintenance.
- o Emergency stop buttons on the control panel and on enclosure exterior for safety.
- o Tested and certified single point lifting eye.

MULTI-VOLTAGE DISTRIBUTION PANEL / RECEPTACLES

- o A lockable voltage selector switch allows you to select various voltage from 480/277V 3ph to 120/208V 3ph as well as 120/240V 1ph.
- o Main bus connection studs enclosed behind an easy access door and that is lockable for operator safety.
- o Receptacles for single Phase 120V and 240V.

DESIGNED FOR RENTAL

- o EPA Tiers II Off-highway compliant engine.
- o Fuel tank for 24 hour operation
- o Forklift pockets for easy handling
- o 110% containment skid to prevent oil, coolant and fuel spills. Special access port on top of the fuel tank for easy cleaning of the tanks interior.
- o Heavy duty two stage air filter, water/fuel separator, battery disconnect switch.





ENGINE DATA

Manufacturer / Model	MITSUBISHI S4Q2.Y262SD , 4-cycle,
Cylinder Arrangement	4 X L
Displacement	152.6 C.I (2.50L)
Bore and Stroke	3.5in (88mm) X 4.1in (103mm)
Compression ratio	22 : 1
Rated RPM	1800 Rpm
Piston Speed	20.3ft./s (6.18m/s)
Max. stand by Power at rated RPM	38BHP (28.71KW)
Frequency regulation, steady state	+/- 2. 5%
BMEP	101psi (6.94bar)
Governor : type	Mechanical

Fuel System

110% (Stand By power)	2.1gal/hr (8.1L/h)
100% (of the Prime Power)	2.0gal/hr (7.4L/h)
75% (of the Prime Power)	1.5gal/hr (5.6L)
50% (of the Prime Power)	1.1gal/hr (4.1L/h)
Fuel Tank Capacity	61 Gallons (230 L)

Oil System

Total oil capacity w/filters	1.7gal (6.5L)
Oil Pressure low idle	14.5psi (1bar)
Oil Pressure rated RPM	72.5psi (5bar)
Oil consumption 100% load	0.02gal/hr (0.08L/h)
Oil capacity	1.5gal (5.5L)

Coolant System

Radiator & engine capacity	2.1gal (8.1L)
Max water temperature	232°F (111°C)
Outlet water temperature	199°F (93°C)
Fan power	1.2 kW
Fan air flow	2119cfm (1.0m3/s)
Available restriction on air flow	0.4in. WG (10mm CE)
Thermostat	169-194°F (76-90 °C)

ALTERNATOR SPECIFICATIONS

GENERAL DATA

- Compliance with NEMA MG21, UTE NF C51.111, VDE 0530, BS 4999, CSA standards.
- Vacuum-impregnated windings with epoxy varnish.
- IP21 drip proof.

ALTERNATOR DATA

Manufacturer / Model	LEROY SOMER LSA422S5
Phase	3
Power factor (Cos Phi)	0.8
Altitude	< 1000 m
Overspeed	2250 rpm
Pole	4
Exciter type	AREP
Insulation : class/temperature rise	H / H
Voltage regulator	R438
Motor starting capability PF=0.6 rotor blocked, 35% voltage dip	65 kVA
Total harmonics (TGH/THC)	< 4%
Wave form : NEMA = TIF – TGH/THC	< 50
Wave form : CEI = FHT – TGH/THC	< 2%
Bearing : number	1
Coupling	Direct
Voltage regulation 0 to 100% load	+/- 1%
Recovery time (20% Volt dip) ms	500 ms



Control Panel

NEXYS



- Digital Control Panel with Manual Run/Off/Auto control switch
- Auto start, 2 wire.
- Red emergency stop pushbutton
- Display: Frequency meter, volt meter, ammeter, fuel level, oil pressure, water temperature, running hours
- Alarms: Fuel level, low battery
- Shutdowns: High water temperature, low oil pressure, overcrank, overspeed
- Voltage adjusting rheostat
- Printed circuit board control logic
- Panel light

Distribution Panel

RECEPTACLES



- 1-Single Phase- 20 Amps 120V GFCI Duplex type
- 1-Single Phase- 30 Amps 120V 3-Way Twist type
- 1-Single Phase- 30 Amps 240V 3-Way Twist type
- 50 Amps 120/240V Temporary power
- Individual circuit breaker protection for receptacles

BUS BAR CONNECTION



- Main bus connection studs enclosed behind a lockable access door for easy access and operator safety.
- Strain relief to prevent cables from being pulled free from bus connections

Environmentally Friendly

FUEL TANK



- 61 Gallons (230 Liters) fuel tank. 24 hour capacity.
- Complete containment of oil, coolant and fuel.



Options

Engine

- 120V 1000W Block heater
- 120V 1500W Block heater
- Lube oil drain pump
- Electronic Governor
- 5 Amp Battery charger 120V or 240V
- Hot Part Protection

Alternator

- Anti condensation heater
- Enforced impregnation

Control panel

- Low coolant level
- Upgrade to Telys Panel
- NFPA 110 (Require Telys Panel)
- Software for remote monitoring

Miscellaneous

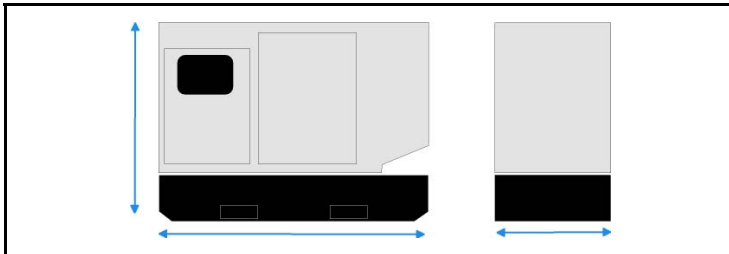
- Road trailer
- Deduct for standard tank (8 hours)

Literature

- Parts
- Maintenance

Weight and Dimensions

Sound Attenuated Enclosure with Environmentally Friendly Design



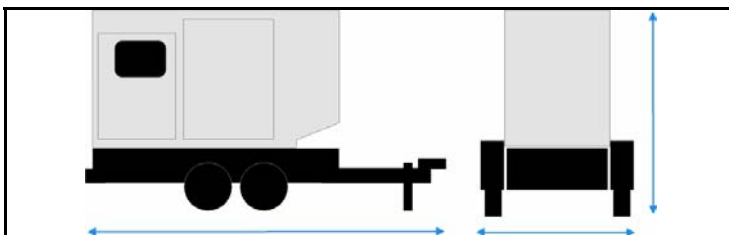
Overall size l x w x h :

85in (2160mm) x 38in (966mm) x 62in (1582mm)

Weight :

2205lbs (1000kg) Dry 2668lbs (1210kg) Wet

Trailer (optional)



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